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CENTRAL FAX CENTER****NOV 29 2004****SYMYX TECHNOLOGIES, INC.
3100 CENTRAL EXPRESSWAY
SANTA CLARA, CA 95051
PHONE: 408-773-4027
FAX: 408-773-4029****FAX TRANSMITTAL SHEET**

Date:	November 29, 2004	From:	Paul A. Stone Reg. No. 38,628
To:	Commissioner of Patents P.O. Box 1450 Alexandria, VA 22313-1450	Docket No.	SMX3071.1(99-22R1)
		Fax No:	(703) 872-9306

Number of pages included in this fax: 14

In re Application of:	Hall et al.	Confirmation No.	7846
Serial No.:	09/817,821	Group Art Unit:	1639
Filed:	3/26/01	Examiner:	Tran, My Chau
For:	Combinatorial Synthesis And Analysis Of Metal-Ligand Compositions Using Soluble Metal Precursors		

Dear Sir:

Enclosed please find copies of the following documents to be filed regarding the above identified patent application:

- **Transmittal (2 pages)**
- **Power of Attorney By Assignee (1 page)**
- **Certificate Under CFR §3.73(b) and copy of Assignment (10 pages)**

Please enter these into the file and contact us if necessary.

**Respectfully Submitted,
Paul A. Stone
Reg. No. 38,628**

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**RECEIVED
CENTRAL FAX CENTER****NOV 29 2004****Docket No. 99-22R1
PATENT****CERTIFICATE OF TRANSMISSION BY FACSIMILE**

I hereby certify that this correspondence is being transmitted by facsimile to the Patent and Trademark Office at facsimile number (703) 872-9306 addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on 11-29-04.

BY: 
Suzanne Shadley**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:	Hall et al.	Confirmation No.	7846
Serial No.:	09/817,821	Group Art Unit:	1639
Filed:	3/26/01	Examiner:	Tran, My Chau
For:	Combinatorial Synthesis And Analysis Of Metal-Ligand Compositions Using Soluble Metal Precursors		

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL LETTER

Sir:

Transmitted herewith (check all that apply):

- | | |
|---|--|
| <input type="checkbox"/> Preliminary Amendment | <input type="checkbox"/> Supplemental Information Disclosure Statement |
| <input type="checkbox"/> Response/Amendment | <input type="checkbox"/> Petition Under 37 CFR 1.97(d)(2) |
| <input type="checkbox"/> Response/Amendment After Final | <input type="checkbox"/> Formal Drawings |
| <input type="checkbox"/> Supplemental Amendment | <input type="checkbox"/> Declaration Under 37 CFR 1.131 |
| <input type="checkbox"/> Affidavits/Declarations | <input type="checkbox"/> Declaration Under 37 CFR 1.132 |
| <input type="checkbox"/> Declaration and Power of Attorney | <input type="checkbox"/> Terminal Disclaimer |
| <input type="checkbox"/> Supplemental Declaration | <input type="checkbox"/> Small Entity Statement |
| <input checked="" type="checkbox"/> Power of Attorney and
Change of Correspondence Address | <input type="checkbox"/> Request for Refund |
| <input type="checkbox"/> Associate Power of Attorney | <input type="checkbox"/> Appeal |
| <input type="checkbox"/> Response to Missing Parts | <input type="checkbox"/> Petition |
| | <input type="checkbox"/> Status Letter |

to be filed in the above-identified patent application.

☒ No fee is required.

☒ The Commissioner is hereby authorized to charge payment of any additional filing fees required under 37 C.F.R. § 1.16, in connection with the paper(s) transmitted herewith, or credit any overpayment of same, to Deposit Account No. 50-0496.

Application Serial No. 09/817,821

Docket No. 99-22R1
PATENT

Respectfully submitted,



Paul A. Stone
Reg. No. 38,628
Attorney for Applicant(s)

Date: Nov. 29, 2004

Symyx Technologies, Inc.
3100 Central Expressway
Santa Clara, California 95051
Tel.: (408) 773-4027
Fax: (408) 773-4029

PTO/USB/96 (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

STATEMENT UNDER 37 CFR 3.73(b)Applicant/Patent Owner: Keith Hall et al.Application No./Patent No.: 09/817,821 Filed/Issue Date: March 28, 2001Entitled: Combinatorial Synthesis And Analysis Of Metal-ligand Compositions Using Soluble Metal PrecursorsSymyx Technologies, Inc., a corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or2. ☐ an assignee of less than the entire right, title and interest.The extent (by percentage) of its ownership interest is _____ %
in the patent application/patent identified above by virtue of either:A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 012213, Frame 0392, or for which a copy thereof is attached.**OR**B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____

The document was recorded in the United States Patent and Trademark Office at
Reel _____, Frame _____, or for which a copy thereof is attached.

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Reel _____, Frame _____, or for which a copy thereof is attached.☐ Additional documents in the chain of title are listed on a supplemental sheet.☒ Copies of assignments or other documents in the chain of title are attached.

(NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Nov. 29, 2004

Date

(408) 773-4027

Telephone number

Paul A. Stone

Typed printed name



Signature

Vice President, Chief Patent Counsel

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



UNITED STATES
PATENT AND
TRADEMARK OFFICE

EJH/DEA

SMK 307A.1

DECEMBER 06, 2001

PTAS

SENNIGER, POWERS, LEAVITT & ROEDEL
EDWARD J. HEJLEK - NEA
ONE METROPOLITAN SQUARE
16TH FLOOR
ST. LOUIS, MO 63102

Under Secretary of Commerce For Intellectual Property and
Director of the United States Patent and Trademark Office
Washington, DC 20231
www.uspto.gov



101865922A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 10/01/2001

REEL/FRAME: 012213/0392
NUMBER OF PAGES: 7

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

HALL, KEITH ✓

DOC DATE: 07/11/2001

ASSIGNOR:

MURPHY, VINCE ✓

DOC DATE: 07/10/2001

ASSIGNOR:

LAPOINTE, ANNE M. ✓

DOC DATE: 07/11/2001

ASSIGNOR:

VAN BEEK, JOHANNES A.M. ✓

DOC DATE: 09/06/2001

ASSIGNOR:

DIAMOND, GARY M. ✓

DOC DATE: 07/11/2001

ASSIGNEE:

SYMYX TECHNOLOGIES, INC. ✓
3100 CENTRAL EXPRESSWAY
SANTA CLARA, CALIFORNIA 95051 ✓

BUN

012213/0392 PAGE 2

SERIAL NUMBER: 09817821 /
PATENT NUMBER:

FILING DATE: 03/26/2001 /
ISSUE DATE:

MARCUS KIRK, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS



IBET

101865922

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy thereof.

1. Name of conveying party(ies) (assignor(s)):

Keith HALL, Vince MURPHY, Anne M. LaPOINTE, Johannes A.M. van BEEK, Gary M. DIAMOND 10/11/01

Additional name(s) of conveying party(ies) attached? ☐ yes ☒ no

2. Name and Address of Party(ies) receiving an interest (assignee(s)):

Name: Synmx Technologies, Inc.Address: 3100 Central ExpresswayCity: Santa ClaraState: California Zip: 95051Country: U.S.A.Additional name(s) & address(es) attached? ☐ yes ☒ no

3. Nature of Conveyance:

☒ Assignment☐ Merger☐ Change of Name☐ Verified Translation☐ Security Agreement☐ Other _____Execution Date: July 11, 2001, July 10, 2001, July 11, 2001, September 6, 2001, and July 11, 2001 respectively

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date(s) of the application is: _____

A. Patent Application No(s).

09/817,821

B. Patent No(s).

Others on additional sheet(s) attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Edward J. Hejlek

Senniger, Powers, Leavitt & Roedel

One Metropolitan Square

16th Floor

St. Louis, Missouri 63102

(314) 231-5400 (telephone)

6. Total number of applications and patents involved:

Application(s) 1 + Patent(s) 1 = Total 17. Total Fee (37 CFR 3.41) \$ 40.00☒ Enclosed☐ Authorized to be charged to deposit account8. Deposit Account Number: 19-1345

(Duplicate copy of this sheet attached)

☒ Charge any underpayment or credit any overpayment to above Deposit Account

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9. Statement and signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Edward J. Hejlek

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document:

7

Attorney Docket No.: SMX 3071.1 (99-22R1)

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, Keith Hall of San Jose, California, Vince Murphy of Campbell, California, Anne M. LaPointe of Sunnyvale, California, Johannes A. M. van Beek of Brussels, Belgium and Gary M. Diamond of San Jose, California, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below identified application for United States Letter Patent:

Title of Invention: Combinatorial Synthesis And Analysis of Metal-Ligand Compositions Using Soluble Metal Precursors

Filing Date: March 26, 2001 Application No.: 09/817,821; and

WHEREAS, Symyx Technologies, Inc., a Delaware corporation, located at 3100 Central Expressway, Santa Clara, California 95051, hereinafter referred to as "Assignee," is desirous of acquiring an interest in the invention and application and in any Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application, and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer and (c)

Docket No.:SMX 3071.1 (99-22R1)

Page 2 of 6

perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Date: 11 July 2004

Keith Hall
Keith Hall

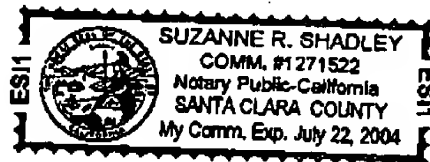
STATE OF CaliforniaCOUNTY OF Santa Clara

On July 11, 2004, before me, Suzanne R. Shadley, Notary Public, personally appeared Keith Hall, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Signature

Suzanne R. Shadley



(Seal)

Docket No.:SMX 3071.1 (99-22R1)
Page 3 of 6

Date: 7/10/01

Vince Murphy
Vince Murphy

STATE OF California

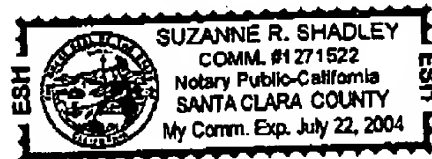
COUNTY OF Santa Clara

On July 10, 2001, before me, Suzanne R. Shadley, Notary Public, personally appeared Vince Murphy, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Signature

Suzanne R. Shadley



(Seal)

Docket No.:SMX 3071.1 (99-22R1)
Page 4 of 6

Date: 7/11/01

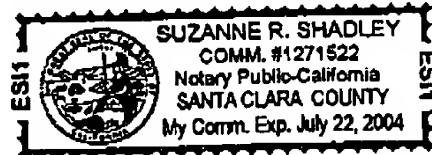
Anne M. LaPointe
Anne M. LaPointe

STATE OF California
COUNTY OF Santa Clara

On July¹¹, 2001, before me, Suzanne R. Shadley, Notary :
Public, personally appeared Anne M. LaPointe, personally known to me (or proved to me on the
basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within
instrument and acknowledged to me that ~~he/she~~^{she} they executed the same in his/her/~~their~~
authorized capacity(ies), and that by his/her/~~their~~ signature(s) on the instrument the person(s), or
the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

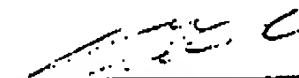
Signature Suzanne R. Shadley



(Seal)

Docket No.: SMX 3071.1 (99-22R1)
Page 5 of 6

Date: Sept. 6, 2001


Johannes A. M. van Beek

Witness: _____
Signature and Date

Witness: _____
Signature and Date

Docket No.:SMX 3071.1 (99-22R1)
Page 6 of 6

Date: July 11th, 2001

Gary M. Diamond
Gary M. Diamond

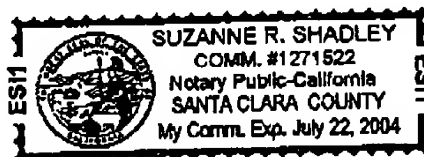
STATE OF California

COUNTY OF Santa Clara

On July 11, 2001, before me, Suzanne R. Shadley, Notary Public, personally appeared Gary M. Diamond, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal

Signature Suzanne R. Shadley



(Seal)